

## ABSTRACT OF THE DISCLOSURE

### HIGH VOLTAGE RESISTANCE, PARTICULARLY FOR CURRENT LIMITATION IN A MICROWAVE PROGRESSIVE WAVE TUBE EMITTER

5

This invention relates to a high voltage resistance. The resistance comprises at least one organic substrate (21) and a flat conductor (22) with length L, width  $\ell$  fixed to the organic substrate and with a given resistivity  $\rho$  and a thickness  $\varepsilon$ , the value R of the resistance being equal to  $\rho L / \ell e$ , the values of  
10 the length L, width  $\ell$  being defined such that the mass of the flat conductor (22) is sufficient to resist electrical arcing without exceeding a given temperature. This invention is particularly applicable for current limitation resistances in microwave progressive wave tube emitters, used for example in airborne radar systems.